

#2

OIPE

## RAW SEQUENCE LISTING

DATE: 10/12/2001

PATENT APPLICATION: US/09/956,999

TIME: 12:05:18

Input Set : A:\SEQLIST 6514-069001.TXT

Output Set: N:\CRF3\10122001\I956999.raw

4 <110> APPLICANT: Lincoln, Stephen  
5 Klingler, Tod M.  
6 Au-Young, Janice  
7 Tang, Y. Tom  
8 Goold, Richard  
9 Akerblom, Ingrid E.  
10 Seilhamer, Jeffrey J.  
11 Hawkins, Phillip R.  
12 Murry, Lynn E.  
13 Delegeane, Angelo M.  
14 Levine, Wendy B.  
15 Hillman, Jennifer L.  
16 Goli, Surya K.  
17 Altus, Christina M.  
18 Bandman, Olga  
19 LaBrie, Samuel T.  
20 Shah, Purvi  
22 <120> TITLE OF INVENTION: Database for Storage and Analysis of  
23 Full Length Sequences  
25 <130> FILE REFERENCE: 6514-069CON  
C--> 27 <140> CURRENT APPLICATION NUMBER: US/09/956,999  
C--> 28 <141> CURRENT FILING DATE: 2001-09-19  
30 <150> PRIOR APPLICATION NUMBER: 08/282,955  
31 <151> PRIOR FILING DATE: 1995-07-29  
33 <150> PRIOR APPLICATION NUMBER: 08/187,530  
34 <151> PRIOR FILING DATE: 1994-01-27  
36 <150> PRIOR APPLICATION NUMBER: 08/179,873  
37 <151> PRIOR FILING DATE: 1994-01-11  
39 <150> PRIOR APPLICATION NUMBER: 08/100,523  
40 <151> PRIOR FILING DATE: 1993-08-03  
42 <150> PRIOR APPLICATION NUMBER: 08/137,951  
43 <151> PRIOR FILING DATE: 1993-10-14  
45 <150> PRIOR APPLICATION NUMBER: 07/977,780  
46 <151> PRIOR FILING DATE: 1992-11-19  
48 <150> PRIOR APPLICATION NUMBER: 07/916,491  
49 <151> PRIOR FILING DATE: 1992-07-17  
51 <150> PRIOR APPLICATION NUMBER: 08/289,822  
52 <151> PRIOR FILING DATE: 1994-08-12  
54 <150> PRIOR APPLICATION NUMBER: 08/581,240  
55 <151> PRIOR FILING DATE: 1995-12-29  
57 <150> PRIOR APPLICATION NUMBER: 08/744,026  
58 <151> PRIOR FILING DATE: 1996-11-05  
60 <150> PRIOR APPLICATION NUMBER: 08/786,999  
61 <151> PRIOR FILING DATE: 1997-01-23  
63 <150> PRIOR APPLICATION NUMBER: 08/822,262  
64 <151> PRIOR FILING DATE: 1997-03-20  
66 <150> PRIOR APPLICATION NUMBER: 08/951,750

ENTERED

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Output Set: N:\CRF3\10122001\I956999.raw

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67 <151> PRIOR FILING DATE: 1997-10-16
69 <160> NUMBER OF SEQ ID NOS: 10
71 <170> SOFTWARE: FastSEQ for Windows Version 3.0
73 <210> SEQ ID NO: 1
74 <211> LENGTH: 373
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (1)...(373)
81 <223> OTHER INFORMATION: n = A,T,C or G
83 <400> SEQUENCE: 1
W--> 84 gtacggaggt gaggtttgtn accgcgattc taagagggtgg gcttttagtc cctccagacc      60
85 tcggcttttag tgctgtctcc gcttttyttt caccttcaca gaggttcgtg tcttcctaaa      120
86 agaaggttttt attgggaggt aaagggtcaat gcgtaggggt agagtaagat gtcttatggt      180
87 gaaattraag gtaaattctt gggacctaga gaagaagtaa cgagtgaagc acgctgtaaa      240
88 aaattgaagt caaccacaga gtcgtatggt ttccacaatc atagtaatgc tgattttcac      300
W--> 89 agnatccaag agaaaactgg aaatgattgg gtccctgtgn ncatcattga tgtcagagga      360
90 catagttatt tgc
92 <210> SEQ ID NO: 2
93 <211> LENGTH: 321
94 <212> TYPE: DNA
95 <213> ORGANISM: Homo sapiens
97 <220> FEATURE:
98 <221> NAME/KEY: misc_feature
99 <222> LOCATION: (1)...(321)
100 <223> OTHER INFORMATION: n = A,T,C or G
102 <400> SEQUENCE: 2
W--> 103 gtgaggtttg ttaccncgat tctgagaggt gggcttttag tccctccaga cctcggcttt      60
104 agtgctgtct ccgmttttct ttcacctca cagagatgtc ttatggtgaa attgaaggta      120
105 aattcttggtg acctagwgaa gaagtaacga gtgagccacg ctgtaaaaaa ttgaagtcaa      180
106 ccacagagtc gtatgttttt cacaatcata gtaatgctga ttttcacagw atccaagaga      240
W--> 107 aaactggaaa tgatttgggt ccctgtgacc atcattnatg tcagaggmca tagttaattt      300
W--> 108 gcaggaganc aaaaatcaaa a
110 <210> SEQ ID NO: 3
111 <211> LENGTH: 528
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 3
116 atgacagact gtgaatttgg atatattttac aggctggctc aggactatct gcagtgcgtc      60
117 ctacagatac cacaacctgg atcagggtcca agcaaaacgt ccagagtgtc acaaaatggt      120
118 gcgttctcag tccaaaaaga agtggaagaag aatctgaagt catgcttgga caatgttaat      180
119 gttgtgtccg tagacactgc cagaacacta ttcaaccaag tgatggaaaa ggagtttgaa      240
120 gacgacatca ttaactgggg aagaattgta accatatttg catttgaagg tattctcatc      300
121 aagaaacttc tacgacagca aattgccccg gatgtggata cctataagga gatttcatat      360
122 tttgttgagg agttcataat gaataacaca ggagaatgga taaggcaaaa cggaggctgg      420
123 gaaaatggct ttgtaaagaa gtttgaacct aaatctggct ggatgaactt tctagaagtt      480
124 acaggaaaga tctgtgaaat gctatctctc ctgaagcaat actgttga      528
126 <210> SEQ ID NO: 4

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127 <211> LENGTH: 405
128 <212> TYPE: DNA
129 <213> ORGANISM: Homo sapiens
131 <400> SEQUENCE: 4
132 gtccaaatca ctcatgttt gtgaaagctg agctcacagc aaaacaagcc accatgaagc      60
133 tgtcgggtgtg tctcctgctg gtcacgctgg ccctctgctg ctaccaggcc aatgccgagt      120
134 tctgcccagc tcttgtttct gagctgttag acttcttctt cattagtga cctctgttca      180
135 agttaagtct tgccaaattt gatgcccctc cggaagctgt tgcagccaag ttaggagtga      240
136 agagatgcac ggatcagatg tcccttcaga aacgaagcct cattgcggaa gtcctggtga      300
137 aaatattgaa gaaatgtagt gtgtgacatg taaaaacttt catcctgggt tccactgtct      360
138 ttcaatgaca cctgatctt cactgcagaa tgtaaagggt tcaac                      405
140 <210> SEQ ID NO: 5
141 <211> LENGTH: 495
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapiens
145 <400> SEQUENCE: 5
146 gatccttgcc accgcgact gaacaccgac agcagcagcc tcacccatgaa gttgctgatg      60
147 gtcctcatgc tggcgccct ctcccagcac tgctacgcag gctctggctg ccccttattg      120
148 gagaatgtga ttccaagac aatcaatcca caagtgtcta agactgaata caaagaactt      180
149 cttcaagagt tcatagacga caatgccact acaaatgcc a tagatgaatt gaaggaatgt      240
150 tttcttaacc aaacggatga aactctgagc aatgttgagg tgtttatgca attaatatat      300
151 gacagcagtc tttgtgattt attttaactt tctgcaagac ctttggctca cagaactgca      360
152 gggatggtg agaaaccaac tacggattgc tgcaaacacc accttctctt tcttatgtct      420
153 ttttactaca aactacaaga caattgttga aacctgctat acatgtttat ttttaataaat      480
154 tgatggcaaa aactg                                           495
156 <210> SEQ ID NO: 6
157 <211> LENGTH: 1143
158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapiens
161 <400> SEQUENCE: 6
162 ggccccgcg cgcccggcg gcccgccgc cgggggggatg tttacaaac cgaacttggc      60
163 cgcgcacatg cccgcgcgc ccctcaacgc cgtctggagt gtccactcgc ctccaccag      120
164 catggcaacg tcttcacagt accgccagct gctcagtgc tacggggcac cgtccctagg      180
165 ctacaccag ggaactggga acagccaggt gcccacaaagc aaatacgcgg agctgctggc      240
166 catcattgaa gagctgggga aggagatcag acccacgtac gcaggagca agagtgccat      300
167 ggagaggctg aagcgcggca tcattcacgc tagaggactg gttcgggagt tcttggcaga      360
168 aacggaacgg aatgccagat cctagctgcc ttgttggttt tgaaggattt ccatcttttt      420
169 acaagatgag aagttacagt tcatctccc ttgtcagatg aaaccttgt tttcaaatg      480
170 gttacagttt cgtttttcct cccatggttc acttggtctt gaacctacag tctcaaagat      540
171 tgagaaaaga ttttgagttt aattaggatt tgcattttaa gtagttagga actgccagg      600
172 ttttttttgt tttttaagca ttgatttaaa agatgcacgg aaagtatatc tacagcaaac      660
173 ttagttttgc ctccaagaca ccattgtctc cttttaatct tctcttttgt atacatttgt      720
174 taccatggtt gttcttttgt cttttcata agctaatacc actgtaggga ttttgttttg      780
175 aacgcataat gacagcacgc tttacttagt agccggttcc catttgccat acaatgtagg      840
176 ttctgcttaa tgtaacttct tttttgctta agcatttgca tgactattag tgcttcaaag      900
177 tcaattttta aaaatgcaca agttataaat acagaagaaa gagcaacca ccaaacctaa      960
178 caaggacccc cgaacacttt catactaaga ctgtaagtag atctcagttc tgcgtttatt      1020
179 gtaagttgat aaaaacatct ggaagaaaat gactaaaact gtttgcattc ttgtatgtat      1080
180 ttattacttg atgtaataaa gcttattttc attaacaatt tgtattaaaa tgtgggttcc      1140

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181 ttg 1143
183 <210> SEQ ID NO: 7
184 <211> LENGTH: 871
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (1)...(871)
191 <223> OTHER INFORMATION: n = A,T,C or G
193 <400> SEQUENCE: 7
194 acctgctggc ccctggacac ctctgtcacc atgtggttcc tggttctgtg cctcgccctg 60
195 tccctggggg ggactggtgc tgcgcccccg attcagtcgc ggattgtggg aggctgggag 120
196 tgtgagcagc attcccagcc ctggcaggcg gcactggtca tggaaaacga attgttctgc 180
197 tcgggcgtcc tgggtgcatcc gcagtgggtg ctgtcagccg cacactgttt ccagaactcc 240
198 tacacatcgc ggctgggcct gcacagtctt gaggcgcagc aagagccagg gagccagatg 300
199 gtggaggcca gcctctccgt acggcaccca gagtacaaca gaccttgct cgctaacgac 360
W--> 200 ctcagtntca tcaagtggga cgaatccgtg tccgagtctg acaacatccg gagnetcagc 420
W--> 201 attgnttcgc agtgccctac cgcggggaac ttttgccctg tttctggctg ggggtctgctg 480
202 gcgaacggca gaatgcctac cgtgctgcag tgcgtgaacg tgcgtggtgt gtctgaggag 540
203 gtctgcagta agctctatga cccgctgtac caccacagca tgttctgcgc cggcggaggg 600
204 caagaccaga aggactcctg caacgggtgac tctggggggc ccctgatctg caacgggtac 660
205 ttgcagggcc ttgtgtcttt cggaaaagcc ccgtgtggcc aagttggcgt gccagggtgc 720
206 tacaccaacc tctgcaaatt cactgagtgg atagagaaaa ccgtccaggc cagttaactc 780
207 tggggactgg gaacccatga aattgacccc caatacatc ctgcggaagg aattcaggaa 840
208 tatctgttcc cagccccctc tccctcaggc c 871
210 <210> SEQ ID NO: 8
211 <211> LENGTH: 1428
212 <212> TYPE: DNA
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 8
216 ggccgggttg ggggtgtgcg attgtgtggg acggtctggg gcagcccagc agcggtgac 60
217 cctctgcctg cggggaaggg agtcgccagg cggccgtcat ggcggtgtcg gagagccagc 120
218 tcaagaaaat ggtgtccaag taaaaataca gagacctaac tgtacgtgaa actgtcaatg 180
219 ttattactct atacaaagat ctcaaacctg ttttggtatc atatgttttt aacgatggca 240
220 gttccaggga actaatgaac ctactggaa caatccctgt gccttataga ggtaatatc 300
221 acaatattcc aatatgccta tggctactgg acacataccc atataatccc cctatctgtt 360
222 ttgttaagcc tactagtcca atgactatta aaacaggaaa gcatgttgat gcaaatggga 420
223 agatatactt tccttatcta catgaatgga aacaccaca gtcagacttg ttggggctta 480
224 ttcaggtcac gattgtggtt tttggagatg aacctccagt cttctctcgt cctatttcgg 540
225 catcctatcc gccataccag gcaacggggc caccaaatac ttcctacatg ccaggcatgc 600
226 cagggtggaat ctctccatac ccatccggat accctcccaa tcccagtggt taccaggct 660
227 gtccttacct acctggtggt ccatatcctg ccacaacaag ttctcagtac ccttctcagc 720
228 ctctgtgac cactgttggt ccagtaggg atggcacaat cagcgaggac accatccgag 780
229 cctctctcat ctctgcggtc agtgacaaac tgagatggcg gatgaaggag gaaatggatc 840
230 gtgcccaggc agagctcaat gccttgaaac gaacagaaga agacctgaaa aagggtcacc 900
231 agaaactgga agagatggtt acccgtttag atcaagaagt agccgagggt gataaaaaca 960
232 tagaactttt gaaaaagaag gatgaagaac tcagtctctgc tctggaaaaa atggaaaatc 1020
233 agtctgaaaa caatgatatc gatgaagtta tcattcccac agctccctta taaaaacaga 1080
234 tctgaatct gtatgcagaa gaaaacgcta ttgaagacac tatcttttac ttgggagaag 1140

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235 ccttgagaag gggcgtgata gacctggatg tcttcctgaa gcatgtacgt cttctgtccc 1200
236 gtaaacagtt ccagctgagg gcaactaatgc aaaaagcaag aaagactgcc ggtctcagtg 1260
237 acctctactg acttctctga taccagctgg aggttgagct cttcttaaag tattcttctc 1320
238 ttcccttttat cagtaggtgc ccagaataag ttattgcagt ttatcattca mgtgtaaaat 1380
239 attttgaatc aataatatat tttctgtttt cttttggtaa agatggat 1428

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241 &lt;210&gt; SEQ ID NO: 9

242 &lt;211&gt; LENGTH: 667

243 &lt;212&gt; TYPE: DNA

244 &lt;213&gt; ORGANISM: Homo sapiens

246 &lt;400&gt; SEQUENCE: 9

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247 ggctgagcgg ccccgagcc aacccccgag gagcggccgg ctggcgctccg ccgcgcccag 60
248 gagttgggga tgcctacaa acccatcgcc cctgctccca gcakcaccce tggctccagc 120
249 acccctgggc cgggcacccc ggtccctaca ggaagcgctc cgtcgccgtc gggctcagtg 180
250 ccaggagccg gcgtccttt cagaccgctg tttaacgact ttggaccgcc ttccatgggc 240
251 tacgtgcagg cgatgaagcc acccggcgcc cagggctccc agagcaccta caccgacctg 300
252 ctgtcagtca tagaggagat gggcaaagag atccggccta cctatgctgg cagcaagagc 360
253 gccatggagc gcctgaagag aggtatcatc catgcccggg ccctagtcag agagtgcctg 420
254 gcagagacag agcggaaacgc ccgcacgtaa caggaagcgc ctccggccta gcgtctggac 480
255 ctatccggcc actgcagagc acccgcttct ccctggcctt catcccagag tgcaactaac 540
256 atcctgggct tcctgtcctg tgtcccttgg tgggtcccct ccaggaacca aggagtggcc 600
257 ctccaggtgg cagcactaag gacaccccc cacaacaaga gttagcagcg aggtcccat 660
258 ggtccc 667

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260 &lt;210&gt; SEQ ID NO: 10

261 &lt;211&gt; LENGTH: 397

262 &lt;212&gt; TYPE: DNA

263 &lt;213&gt; ORGANISM: Homo sapiens

265 &lt;220&gt; FEATURE:

266 &lt;221&gt; NAME/KEY: misc\_feature

267 &lt;222&gt; LOCATION: (1)...(397)

268 &lt;223&gt; OTHER INFORMATION: n = A,T,C or G

270 &lt;400&gt; SEQUENCE: 10

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272 cccagactc agtcctggg gaagctccca gccatcagcc atgagggctt tgtatctcct 120
273 cttctcgttc ctcttcatat tctgatgcc tcttcagggt gtttttgggt gtataggcga 180
274 tcccgttacc tgccttaaga gtggagccat atgtcatcca gtcttttgcc ctagaaggta 240
W--> 275 taaacnaatt ggcacctgtg gtctccctgg aacaaaatgc tgnaaaaagc catgaggagg 300
W--> 276 ccaagaagct gctgtggcng angcggattc agaaagggt cctcatcag agangtgcca 360
W--> 277 catgtaaacc aaattaaact atggtgtcca angatan 397

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## VERIFICATION SUMMARY

DATE: 10/12/2001

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Input Set : A:\SEQLIST 6514-069001.TXT

Output Set: N:\CRF3\10122001\I956999.raw

L:27 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:28 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10